

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,994,595 B2  
APPLICATION NO. : 10/723615  
DATED : February 7, 2006  
INVENTOR(S) : Baker et al.

Page 1 of 11

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 11 - "connector" should have period after it

Column 1, line 37 - "in to" should be --into--

Column 1, line 48 - "in to" should be --into--

Column 4, line 24 - "interfaces" should be --interface--

Column 4, line 24 - "3 8 (1)" should be --38(1)--

Column 4, line 25 - "interfaces" should be --interface--

Column 4, line 52 - "44(8)" should be --44(8)--

Column 4, line 65 - "46(1 )" should be --46(1)--

Column 9, line 5 - "thereto" should have a period after it

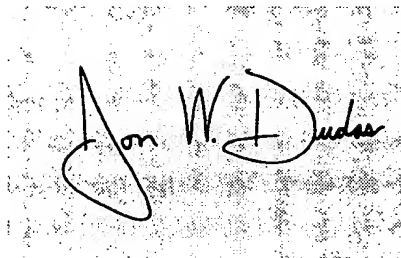
Delete Figures 1-9 - Insert following drawings 1-9

Title page with illustrative Figure should be deleted and substituted with attached title page.

Drawing sheets, consisting of Fig. 1-9, should be deleted and replaced with drawing sheets consisting of Fig. 1-9

Signed and Sealed this

Thirtieth Day of January, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is written in a cursive, flowing style. The "J" is large and loops around the "on". The "W" is formed by two connected 'u' shapes. The "D" is a large, open loop, and the "udas" is written in a smaller, more compact cursive script.

JON W. DUDAS

*Director of the United States Patent and Trademark Office*

(12) **United States Patent**  
**Baker et al.**

(10) Patent No.: **US 6,994,595 B2**  
 (45) Date of Patent: **Feb. 7, 2006**

(54) **FINGER PROOF, KEYED POWER  
 CONNECTOR AND METHODS THEREOF**

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 Norton, Marlboro, MA (US); Joe  
 Belrose, Blackstone, MA (US)**

(73) Assignee: **Anderson Power Products, Sterling,  
 MA (US)**

(\*) Notice: **Subject to any disclaimer, the term of this  
 patent is extended or adjusted under 35  
 U.S.C. 154(b) by 0 days.**

(21) Appl. No.: **10/723,615**

(22) Filed: **Nov. 26, 2003**

(65) **Prior Publication Data**

**US 2004/0171309 A1 Sep. 2, 2004**

**Related U.S. Application Data**

(60) Provisional application No. 60/429,977, filed on Nov.  
 27, 2002.

(51) Int. Cl. **H10R 13/64 (2006.01)**

(52) U.S. Cl. **439/680**

(58) Field of Classification Search **439/680,  
 439/295, 284, 350, 171, 681, 247, 560**

**See application file for complete search history.**

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**Primary Examiner—Gary Paumen**

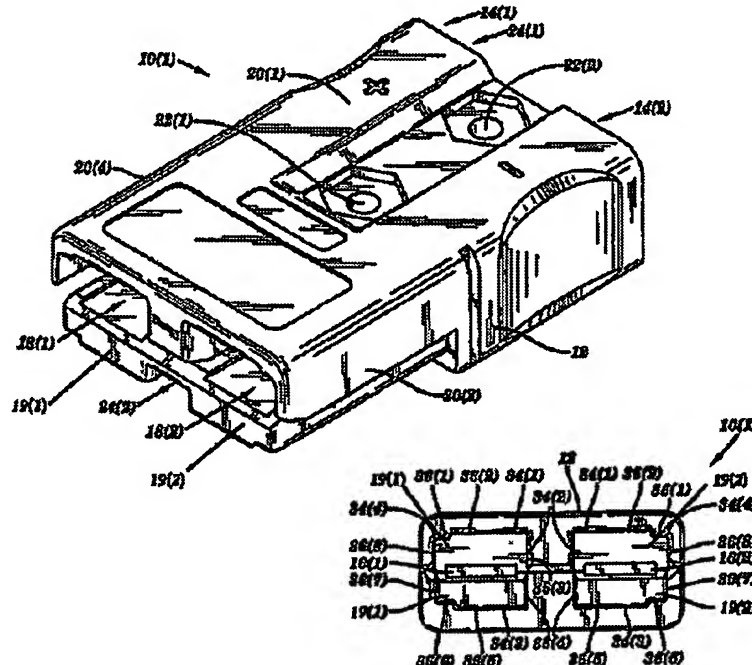
**Assistant Examiner—Phuongchi Nguyen**

(74) Attorney, Agent, or Firm—**Nixon Peabody LLP**

(57) **ABSTRACT**

A finger proof, keyed connector includes a housing, one or more interface passages formed in the housing, one or more connector passages formed in the housing, and an electrical contact. Each of the interface passages has an outer perimeter where at least one portion of the outer perimeter is spaced in or spaced out from at least one adjacent portion of the outer perimeter. Each of the connector passages is connected to one of the interface passages. The electrical contact is seated in each of the one or more interface passages, is spaced from an opening to each of the interface passages, and extends in to the connector passage.

**22 Claims, 9 Drawing Sheets**



U.S. Patent

Feb. 7, 2006

Sheet 1 of 9

6,994,595 B2

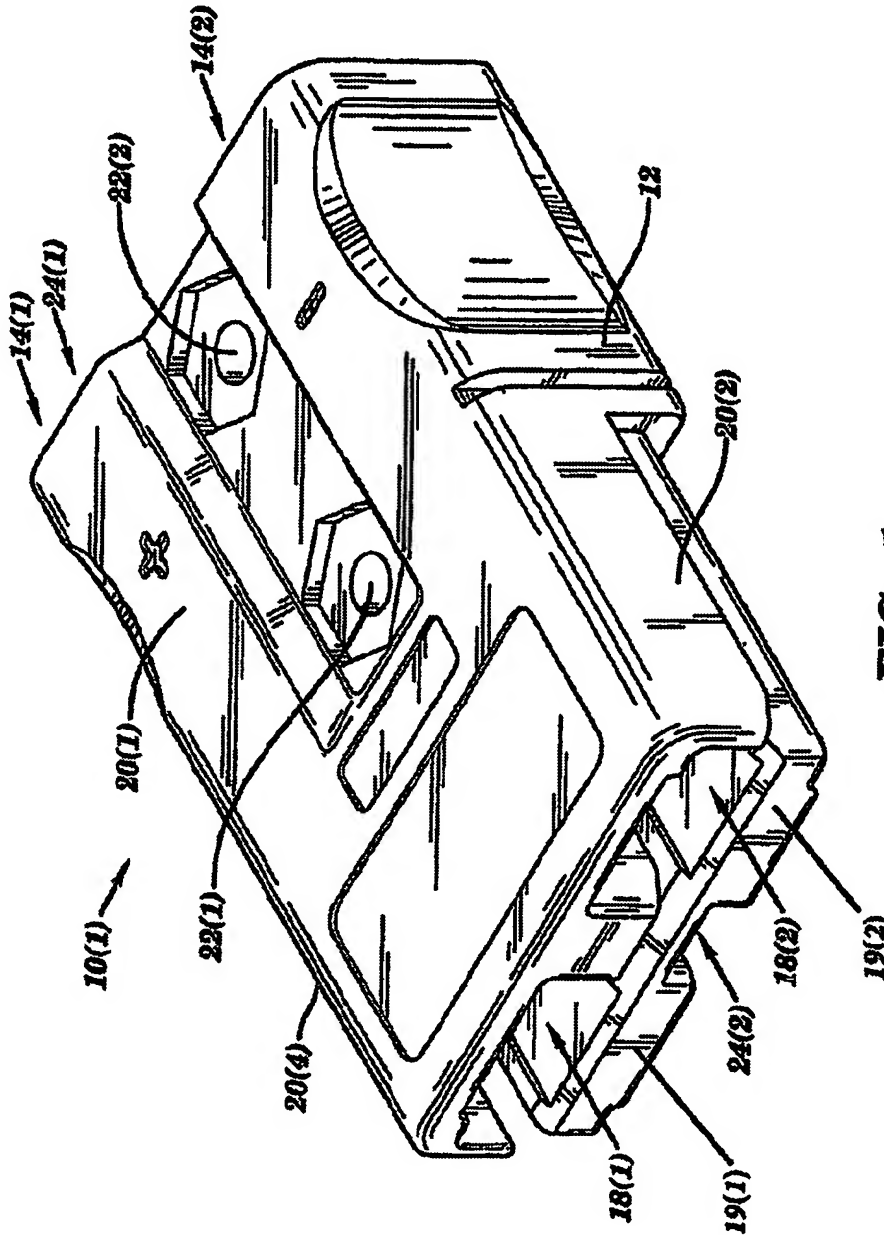


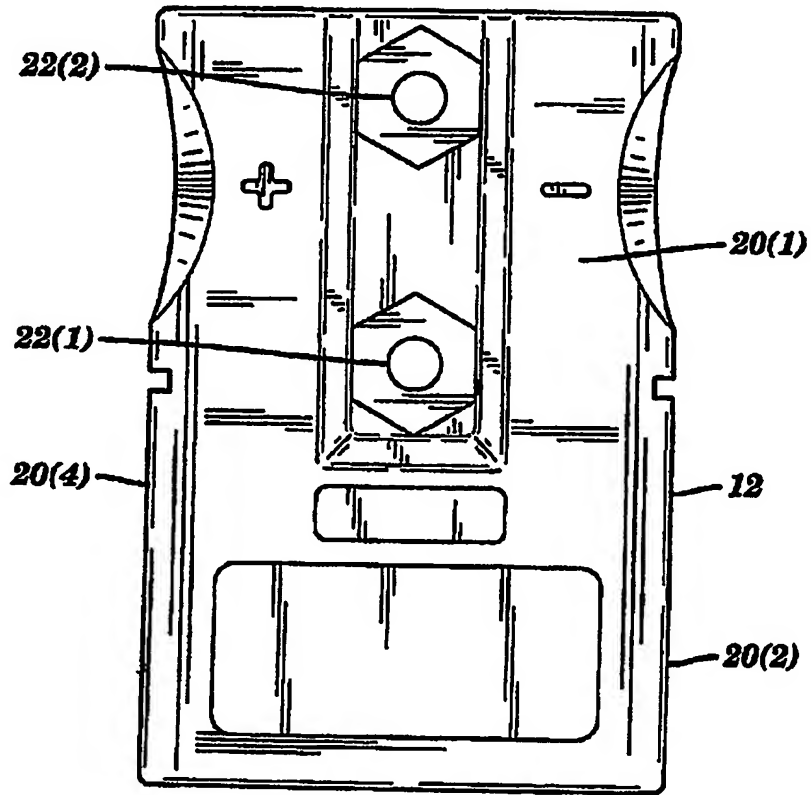
FIG. 1

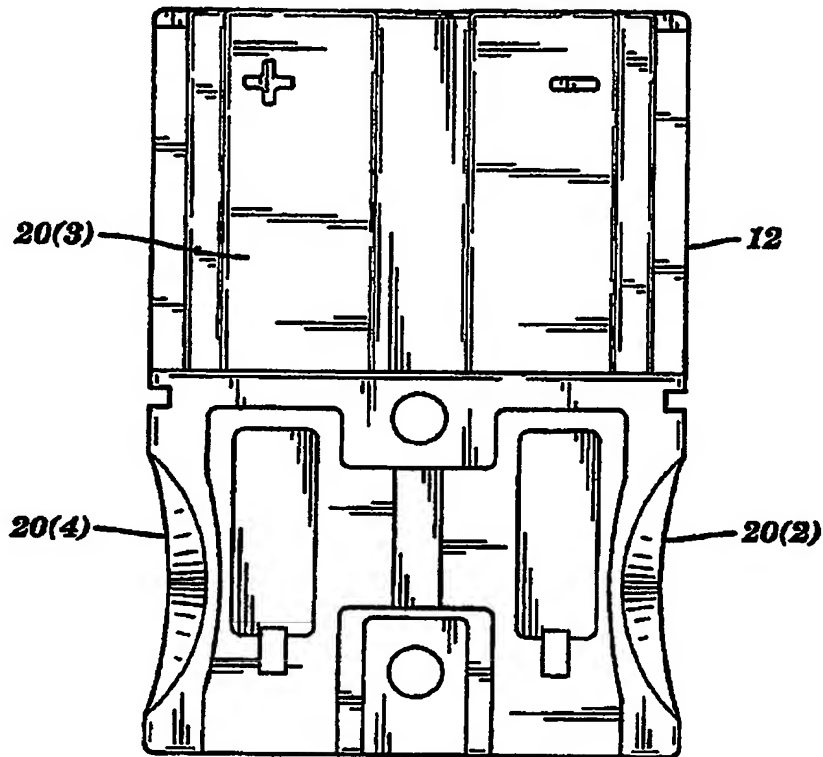
U.S. Patent

Feb. 7, 2006

Sheet 2 of 9

6,994,595 B2

**FIG. 2**



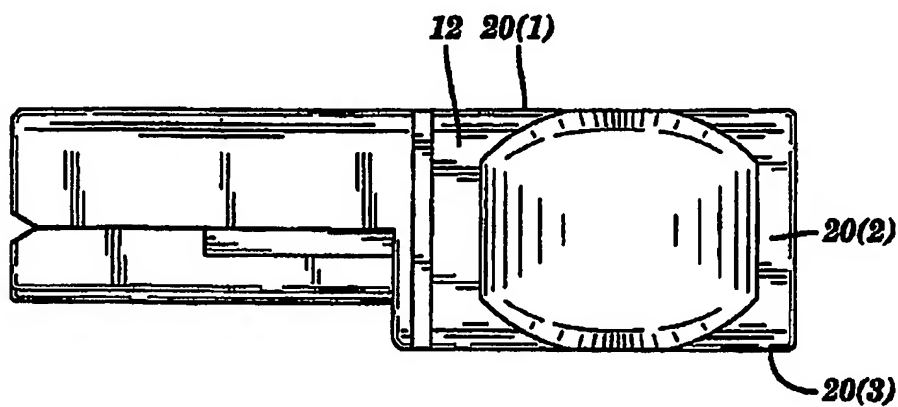
**FIG. 3**

U.S. Patent

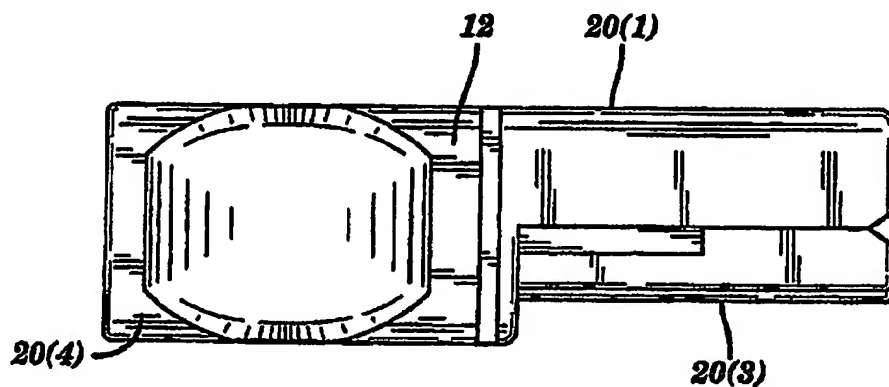
Feb. 7, 2006

Sheet 4 of 9

6,994,595 B2



**FIG. 4**



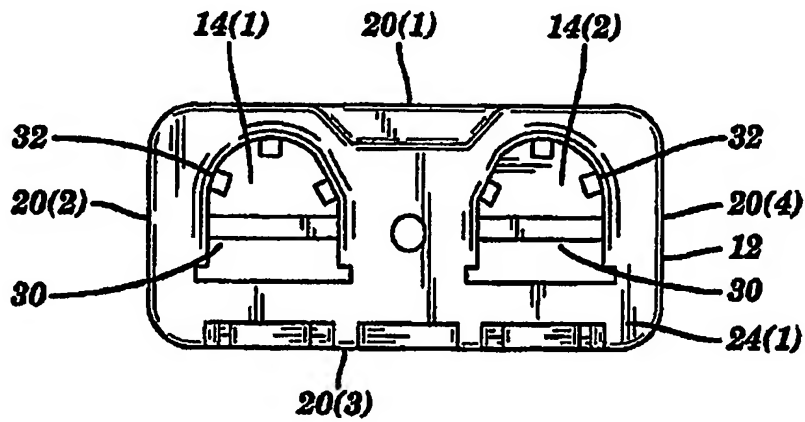
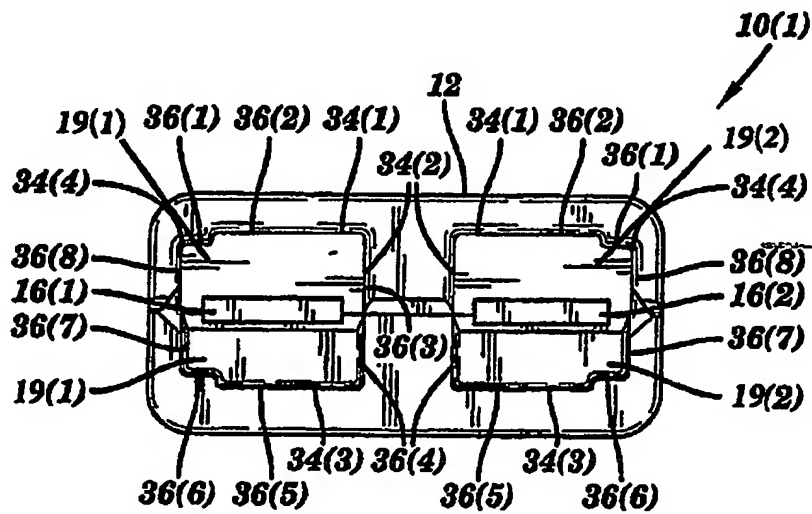
**FIG. 5**

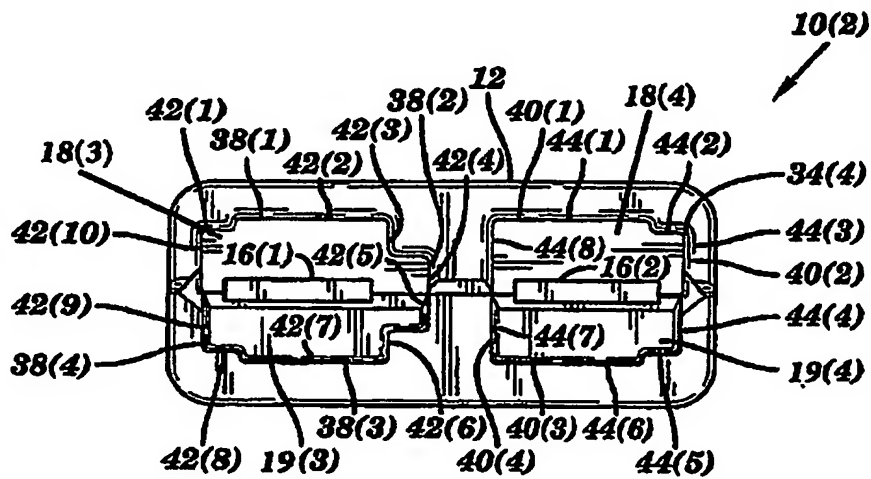
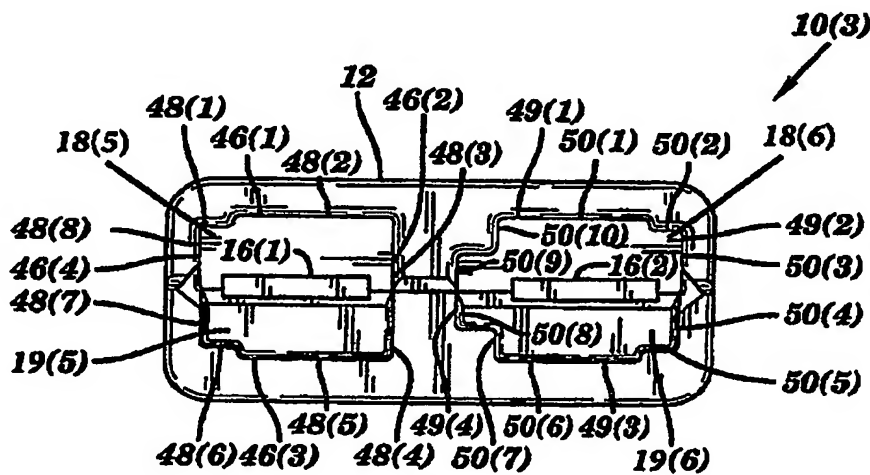
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Feb. 7, 2006

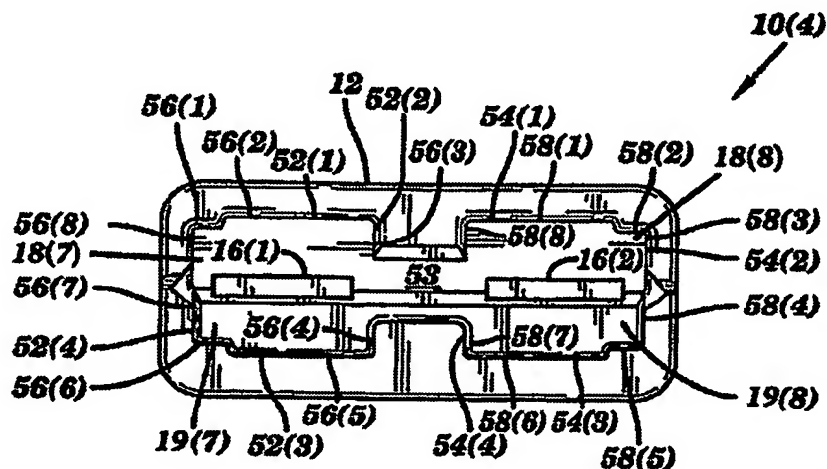
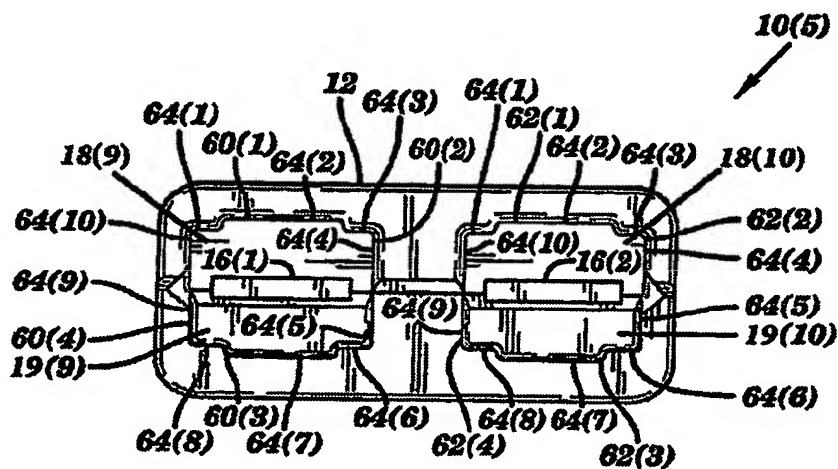
Sheet 5 of 9

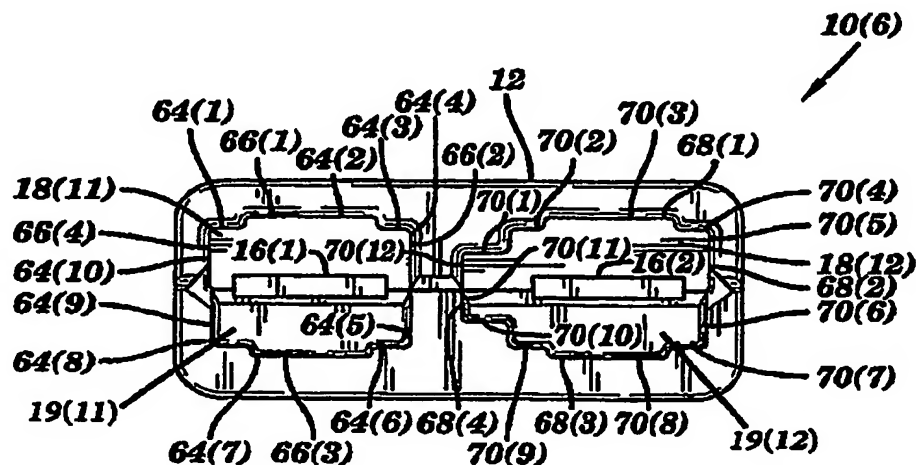
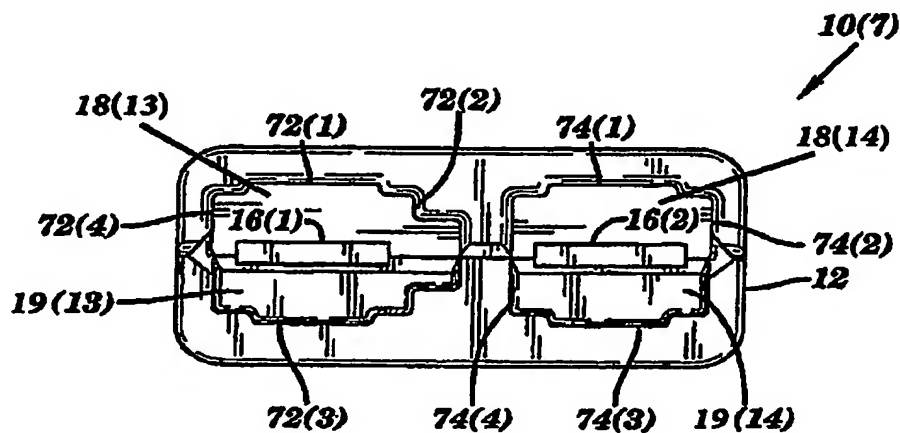
6,994,595 B2

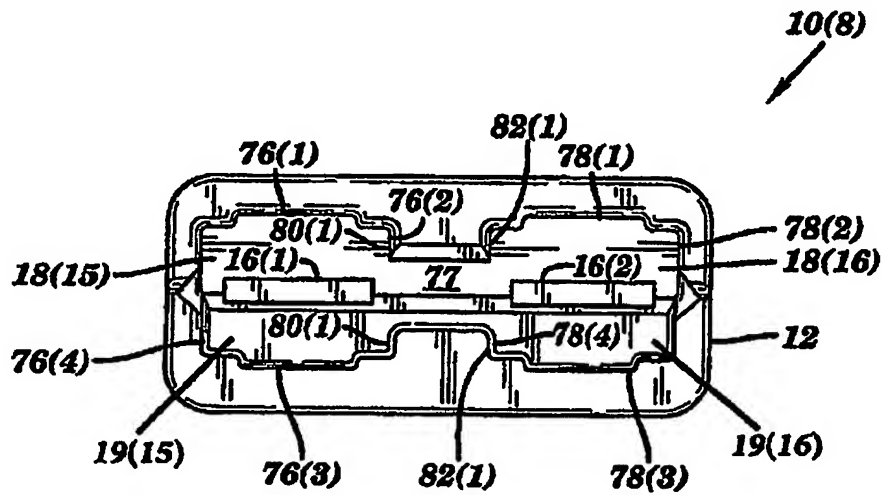
**FIG. 6****FIG. 7**

**FIG. 8****FIG. 9**



**FIG. 10****FIG. 11**

**FIG. 12****FIG. 13**

**FIG. 14**